Dedy Arisandi, S.T., M.Kom.

Lecturer of Undergraduate Program in Information Technology Study Program
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Mr. Dedy Arisandi ST, M.Kom was born in Medan on August 31, 1979. He completed his undergraduate education in Sekolah Tinggi Teknik Harapan Medan in 2003 and completed his Masters in Teknologi Informasi di Universitas Putra Indonesia in 2009. Currently, he is pursuing his doctoral education at Universitas Sumatera Utara, Computer Science Study Program. Mr. Dedy Arisandi's training was on Database Design and Programming with SQL from Oracle Academy in 2020.

Mr. Dedy started his career at the University of North Sumatra in 2009. He held a structural position for the first time as Head of the Programming Laboratory from 2012 to 2017, followed by an expert dean staff from 2016 to 2017. After that, Mr. Dedy held the position of Head of the Database Laboratory for the period 2017 to 2021, followed by the manager of the Data Center and Information Systems at the USU Quality Management Unit for the 2018-2021 period. Mr. Dedy has held the position of Secretary of the S-1 Information Technology Study Program at USU's Facilkom-TI for the 2021-2026. Mr. Dedy's research interests include Intelligent Systems, Computer Vision, and Machine Learning.

Throughout his life journey, Mr. Dedy always motivates himself by remembering the advice he received during his lifetime: "Demanding knowledge is an effort made to change behavior towards a better direction because knowledge leads to truth and leaves ignorance. Verily, Allah hates those who are clever in the world's affairs but ignorant in the affairs of the hereafter. The most intelligent people are the ones who remember death the most and are best prepared to face what comes after."

Publications

2026
Prosiding seminar internasional

Cyberbullying Detection in Social Media Comments Using a Classification-Based Approach

IVAN JAYA , DEDY ARISANDI , ROSSY NURHASANAH , DINA NAZRIANI , VICKY NATANAEL SINAGA

2025
Jurnal nasional

Enhancing Understanding of AI-Based Digital Business Through Interactive Seminars for Information Technology Students

ADE SARAH HUZAIFAH , ROSSY NURHASANAH , FANINDIA PURNAMASARI , IVAN JAYA , DEDY ARISANDI

2025
Jurnal nasional terakreditasi

Enhancing Single Nucleotide Polymorphisms Detection from Imbalanced Data: A Study of Resampling Techniques in Machine Learning Algorithms

HAYATUNNUFUS , ROSSY NURHASANAH , DEDY ARISANDI , FANINDIA PURNAMASARI

2025
Prosiding seminar internasional

Identification of Sexual Harassment in Social Media Comments Using IndoBERT and Support Vector Machine

IVAN JAYA , DEDY ARISANDI

2024
Jurnal nasional terakreditasi

Model Klasifikasi dengan Logistic Regression dan Recursive Feature Elimination pada Data Tidak Seimbang

DEDY ARISANDI , SUTARMAN , ERNA BUDHIARTI NABABAN

2024
Prosiding seminar internasional

Hybrid Indoor Inventory Surveillance Based on Artificial Intelligence Object Identification and Bluetooth Beacon Level for Preventing Theft Activity

ERNA BUDHIARTI NABABAN , OPIM SALIM SITOMPUL , SENIMAN , DEDY ARISANDI

2024
Prosiding seminar internasional

Automating Service Classification for Victims of Violence in Indonesia through Deep Learning Using Gated Recurrent Unit and fastText

ROSSY NURHASANAH , DEDY ARISANDI

2023
Prosiding seminar internasional

Internet-Based Control System of Things on Cylinder Regulator for Safety from LPG Gas Leak Hazards

DEDY ARISANDI , BAIHAQI SIREGAR

2021
Prosiding seminar internasional

Human Detection and Identification for Home Monitoring System

DEDY ARISANDI , MARISCHA ELVENY

2021
Jurnal nasional terakreditasi

Financial management efficiency of islamic boarding school based on information technology

SENIMAN , ROMI FADILLAH RAHMAT , SAWALUDDIN , DEDY ARISANDI

2021
Jurnal nasional terakreditasi

Implementation of face-to-face online learning system based on audio video, presentation and chat using the moodle e-learning platform

ERNA BUDHIARTI NABABAN , OPIM SALIM SITOMPUL , SENIMAN , DEDY ARISANDI

2021
Jurnal internasional bereputasi

Template-Based Natural Language Generation in Interpreting Laboratory Blood Test

ERNA BUDHIARTI NABABAN , DEDY ARISANDI , OPIM SALIM SITOMPUL , INDRA AULIA

2020
Jurnal nasional terakreditasi

Utilization of Information Technology as Media for Village Community Aspirations

MAYA SILVI LYDIA , SENIMAN , DEDY ARISANDI , INDRA AULIA

2020
Prosiding seminar internasional

Automatic Summary System for Patients Hematological Examination Result in Textual Representation Form

ERNA BUDHIARTI NABABAN , DEDY ARISANDI , OPIM SALIM SITOMPUL , INDRA AULIA

2020
Prosiding seminar internasional

Air Pollution Monitoring System Using Waspmote Gases Sensor Board in Wireless Sensor Network

DEDY ARISANDI , BAIHAQI SIREGAR

2020
Prosiding seminar internasional

Implementing Cosine Similarity Algorithm to Increase the Flexibility of Hematology Text Report Generation

INDRA AULIA , DEDY ARISANDI

2020

Prosiding seminar internasional

Traffic Light Controlling for Emergency Vehicle Line Based on GPS Tracking and Position Using GPRS Network

SENIMAN , DEDY ARISANDI , FAHRURROZI LUBIS , NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Prediction of Regional Revenue and Expenditure Budget using Autoregressive Integrated Moving Average (ARIMA)

SHARFINA FAZA , ROMI FADILLAH RAHMAT , DEDY ARISANDI

2020
Prosiding seminar internasional

Prediction of Regional Revenue and Expenditure Budget using Autoregressive Integrated Moving Average (ARIMA)

DEDY ARISANDI , ROMI FADILLAH RAHMAT

2019
Prosiding seminar internasional

Facial Recognition for Car Security System Using Fisherface Method

DEDY ARISANDI , ROMI FADILLAH RAHMAT

Researches

2026
Penelitian Dosen Pemula

Penelitian Perintis 2026

DEDY ARISANDI , MUHAMMAD ISA DADI HASIBUAN , ERNA BUDHIARTI NABABAN

2025
Penelitian Dana Lokal Perguruan Tinggi

Model Aplikasi Digital dalam Meningkatkan Adherensi dan Kualitas Hidup Pasien Hipertensi di Layanan Primer danPelayanan Dokter Keluarga Kota Medan

ARLINDA SARI WAHYUNI , DEDY ARISANDI , RIRI ANDRI MUZASTI

2025
Penelitian Dana Lokal Perguruan Tinggi

Sistem Pendeteksian Komentar Cyberbullying di Media Sosial Berbasis Deep Learning

DEDY ARISANDI , ROSSY NURHASANAH , IVAN JAYA , DINA NAZRIANI

2024
Penelitian Dana Lokal Perguruan Tinggi

Telisik Pengembangan Sains Komputer Berdasarkan Budaya Pembelajaran di Indonesia

MAHYUDDIN , MARISCHA ELVENY , DEDY ARISANDI , JOS TIMANTA TARIGAN

2024

KEGIATAN PENDAMPINGAN PENYUSUNAN PROPOSAL PROGRAM PROGRAM STUDI S-1 TEKNOLOGI INFORMASI FAKULTAS ILMU KOMPUTER DAN TEKNOLOGI INFORMASI UNIVERSITAS SUMATERA UTARA

DEDY ARISANDI

2024

KEGIATAN PENDAMPINGAN PENYUSUNAN PROPOSAL PROGRAM KREATIFITAS MAHASISWA (PKM) PROGRAM STUDI S-1 TEKNOLOGI INFORMASI FAKULTAS ILMU KOMPUTER DAN TEKNOLOGI INFORMASI UNIVERSITAS SUMATERA UTARA

DEDY ARISANDI

2023
Ipteks Bagi Masyarakat

Sistem Pemantauan Limpahan Dan Kualitas Air Pada Objek Wisata Aliran Sungai Pegunungan Dengan Teknologi Lora

DEDY ARISANDI , SENIMAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN

2023
Ipteks Bagi Masyarakat

Inovasi Digitalisasi Sejarah : Implementasi dalam Peringatan Kemerdekaan RI yang ke-78 dan Kearifan Lokal dalam Menumbuhan Cinta Nasionalisme Pada Siswa Sekolah Madrasah Aliyah Negeri (MAN) 1 Deli Serdang1

DEDY ARISANDI , RAHIMAH , PUJIATI

2022
Penelitian Dana Lokal Perguruan Tinggi

Model Pendeteksi Single Nucleotide Polymorphism Pada Genom Kedelai Menggunakan Kombinasi Machine Learning dan Resampling

DEDY ARISANDI , HAYATUNNUFUS , ROSSY NURHASANAH , FANINDIA PURNAMASARI

2022
Penelitian Fundamental

Sistem Monitoring Perjalanan Bus Umum Mebidang Berbasis Long Range Communication dan Global Positioning System

DEDY ARISANDI , SENIMAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN

2019
Penelitian Dosen Pemula

Pengendalian Lampu Lalu Lintas Pada Perlintasan Ambulans Berdasarkan Tingkat Kemacetan Dan Lokasi Gps Dengan Jaringan Terintegrasi

NISKARTO ZENDRATO , DEDY ARISANDI , SENIMAN , FAHRURROZI LUBIS

2017
Penelitian Unggulan Perguruan Tinggi

Pemanfaatan Augmented Reality untuk Terapi Anak Berkebutuhan Khusus

DEDY ARISANDI , ERNA BUDHIARTI NABABAN

Community Services

2024

TENTANG PANITIA KEGIATAN PENDAMPINGAN PENYUSUNAN PROPOSAL PROGRAM KREATIFITAS MAHASISWA (PKM) PROGRAM STUDI S-1 TEKNOLOGI INFORMASI FAKULTAS ILMU KOMPUTER DAN TEKNOLOGI INFORMASI UNIVERSITAS SUMATERA UTARA

DEDY ARISANDI

2023

KULIAH DOSEN TAMU PRAKTISI NASIONAL USER EXPERIENCE DESIGN

DEDY ARISANDI , MAYA SOFHIA

2022
Ipteks Bagi Masyarakat

Optimalisasi Proses Pembelajaran dan Manajemen Bahan Ajar di Sekolah Menengah Atas Menggunakan Aplikasi E-Learning

DEDY ARISANDI , SENIMAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN , IRWANSYAH SARUMAHA , MUHAMMAD RIZKY SATRIA NASUTION

2021
Ipteks Bagi Masyarakat

Pengembangan Aplikasi Tata Kelola Persuratan dan Kearsipan Sebagai Upaya Meningkatkan Kualitas Pelayanan Administrasi Sekolah

DEDY ARISANDI , SENIMAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN , Ammar Rafi Afandi Hasibuan , DWIKY HERMAWAN , ALVIN DAELI , FIQIH FATWA

2020
Ipteks Bagi Masyarakat

IMPLEMENTASI SISTEM PEMBELAJARAN TATAP MUKA SECARA ONLINE BERBASIS AUDIO VIDEO, PRESENTASI DAN CHATTING MENGGUNAKAN PLATFORM E-LEARNING MOODLE

DEDY ARISANDI , SENIMAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN

2019
Ipteks Bagi Masyarakat

Peningkatan Efisiensi dan Efektivitas Pengelolaan Keuangan Pondok Pesantren Berbasis Teknologi Informasi

SAWALUDDIN , DEDY ARISANDI , SENIMAN , ROMI FADILLAH RAHMAT , Zhafar Salim , Farhan Al Zuhri Nasution , Muhammad Ridwan Syahputra

2018
Ipteks Bagi Masyarakat

Pemanfaatan Teknologi Informasi sebagai Media Penyaluran Aspirasi Masyarakat Desa

DEDY ARISANDI , SENIMAN , INDRA AULIA , MAYA SILVI LYDIA , Zhafar Salim , AULIA AMIRULLAH , RHAMA PERMADI AHMAD

2017
Ipteks Bagi Masyarakat

Pengembangan Computer Based Test Sebagai Strategi Peningkatan Efisiensi Evaluasi Kegiatan Belajar Mengajar

DEDY ARISANDI , SENIMAN , INDRA AULIA , DIAN RACHMAWATI , DUWI AKBAR , MUHAMMAD PUTRA YUSZAR , AFIN ZAKY

2016

OPTIMALISASI PENERAPAN SISTEM INFORMASI SEKOLAH DALAM PENINGKATAN LAYANAN PENDIDIKAN

DEDY ARISANDI , OPIM SALIM SITOMPUL , INDRA AULIA , ERNA BUDHIARTI NABABAN

2013
Penelitian Fundamental

SISTEM TEMU KEMBALI INFORMASI BERDASARKAN JARINGAN SOSIAL

Intellectual Property Rights

2026
Hak cipta nasional

Hi Tensi

ARLINDA SARI WAHYUNI , RIRI ANDRI MUZASTI , DEDY ARISANDI

2026
Hak cipta nasional

SIBIJAK – Sistem Bijak Berkomentar

IVAN JAYA , ROSSY NURHASANAH , DINA NAZRIANI , DEDY ARISANDI

2024
Hak cipta nasional

Inovasi Digitalisasi Implementasi Dalam Peringatan Kemerdekaan RI Ke-78 dan Kearifan Lokal

RAHIMAH , DEDY ARISANDI , PUJIATI

2023
Hak cipta nasional

Aplikasi Pencatatan Barang Inventaris Menggunakan Radio Frequency Identification (RFID)

ERNA BUDHIARTI NABABAN , OPIM SALIM SITOMPUL , DEDY ARISANDI , SENIMAN